

**Supplementary Table 1**  
**Reasonable Charges Data Sources - V3.3**

Charge Type	Paragraph	Subject	Data Source	Edition
PH	(d)(2)	per diem charge	Medicare SAF 5% Sample, outpatient facility component	CY 2004
PH	(d)(2)(ii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjustec	August, 2008
Opt	(e)(3)(ii)	80th percentile charges, codes with no APC	MDR database, outpatient facility component	November, 2008
Opt	(e)(3)(iii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjustec	August, 2008
Opt	(e)(4)	GAAFs	MDR database	October, 2008
Opt	(b)(11)	charges for codes without data	Medicare OPPS, Addendum B	CY 2008, CY 2009
Phys	(f)(2)(i)(A)	RVUs, codes with Medicare RVUs, work expense	Medicare Geographic Practice Cost Index, work expense	CY 2008
Phys	(f)(2)(i)(A)	RVUs, codes with Medicare RVUs, work expense	Medicare Physician Fee Schedule RVUs, work expense	CY 2008, CY 2009
Phys	(f)(2)(i)(B)	RVUs, codes with Medicare RVUs, practice expense	Medicare Geographic Practice Cost Index, practice expense	CY 2008
Phys	(f)(2)(i)(B)	RVUs, codes with Medicare RVUs, practice expense	Medicare Physician Fee Schedule RVUs, practice expense	CY 2008, CY 2009
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	Ingenix/St. Anthony's RBRVS	CY 2008
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	MDR database	October, 2008
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	Medicare SAF 5% Sample, Part B component	CY 2006
Phys	(f)(2)(iv)	RVU GAAFs, codes with no Medicare RVUs	Medicare Geographic Practice Cost Index, practice expense	CY 2008
Phys	(f)(2)(iv)	RVU GAAFs, codes with no Medicare RVUs	Medicare Geographic Practice Cost Index, work expense	CY 2008
Phys	(f)(3)	conversion factors, 80th percentile, geographically adjustec	MDR database	October, 2008
Phys	(f)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjustec	August, 2008
Anes	(g)(2)	RVUs	CMS anesthesia base units	CY 2008, CY 2009
Anes	(g)(3)(i)	conversion factor, nationwide	CMS anesthesia base units	CY 2008
Anes	(g)(3)(i)	conversion factor, nationwide	MDR database	October, 2008
Anes	(g)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjustec	August, 2008
Dent	(h)(2)	charges, 80th percentile, nationwide	MDR database	October, 2008
Dent	(h)(2)(iii)	trending forward	CPI-U, dental services component, seasonally adjustec	August, 2008
Dent	(h)(3)	GAAFs	MDR database	October, 2008
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	MDR database	October, 2008
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare Clinical Diagnostic Laboratory Fee Schedule	CY 2008
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare conversion factor	CY 2008
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare Physician Fee Schedule payment levels	CY 2008
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	Ingenix/St. Anthony's RBRVS	CY 2008
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	MDR database	October, 2008
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	Medicare SAF 5% Sample, Part B component	CY 2006
Lab	(i)(3)	conversion factors, 80th percentile, geographically adjustec	MDR database	October, 2008
Lab	(i)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjusted	August, 2008

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Obs	(j)(2)(i)	base charge, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	August, 2008
Obs	(j)(2)(ii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjustec	October, 2008
Amb	(k)(2)(i)	base charge, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	CY 2006
Amb	(k)(2)(ii)	mileage charge, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	CY 2006
Amb	(k)(2)(iii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjustec	August, 2008
DME	(l)(2)(i)	relative values	Ingenix/St. Anthony's RBRVS, practice expense RVUs	CY 2008
DME	(l)(2)(i)	relative values	Medicare DME Fee Schedule	CY 2008
DME	(l)(2)(i)	relative values	Medicare Parenteral and Enteral Nutrition Fee Schedule	CY 2008
DME	(l)(2)(ii)	charge amounts	Medicare SAF 5% Sample, DME component	CY 2006
DME	(l)(2)(ii)	charge amounts	MDR database	October, 2008
DME	(l)(2)(ii)	charge amounts	Medicare SAF 5% Sample, Part B component	CY 2006
DME	(l)(2)(iv)	trending forward	CPI-U, medical care commodities component, seasonally adjustec	August, 2008
DME	(l)(3)	charges for codes with no RVUs	MDR database	October, 2008
DME	(l)(3)	charges for codes with no RVUs	Medicare SAF 5% Sample, DME component	CY 2006
DME	(l)(3)	charges for codes with no RVUs	Medicare SAF 5% Sample, Part B component	CY 2006
DME	(l)(3)(i)	trending forward	CPI-U, medical care commodities component, seasonally adjustec	August, 2008
DME	(l)(5)(ii)	DME GAAFs	MDR database	October, 2008
DME	(b)(11)	charges for codes without data	Medicare DME fee schedule	CY 2008, CY 2009

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Anes	(g)(2)	RVUs	CMS anesthesia base units	CY 2008, CY 2009
Anes	(g)(3)(i)	conversion factor, nationwide	CMS anesthesia base units	CY 2008
Dent	(h)(2)(iii)	trending forward	CPI-U, dental services component, seasonally adjusted	August, 2008
DME	(l)(2)(iv)	trending forward	CPI-U, medical care commodities component, seasonally adjusted	August, 2008
DME	(l)(3)(i)	trending forward	CPI-U, medical care commodities component, seasonally adjusted	August, 2008
PH	(d)(2)(ii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	August, 2008
Opt	(e)(3)(iii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	August, 2008
Obs	(j)(2)(ii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	October, 2008
Amb	(k)(2)(iii)	trending forward	CPI-U, outpatient hospital services component, seasonally adjusted	August, 2008
Phys	(f)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjusted	August, 2008
Anes	(g)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjusted	August, 2008
Lab	(i)(3)(ii)	trending forward	CPI-U, physicians' services component, seasonally adjusted	August, 2008
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	Ingenix/St. Anthony's RBRVS	CY 2008
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	Ingenix/St. Anthony's RBRVS	CY 2008
DME	(l)(2)(i)	relative values	Ingenix/St. Anthony's RBRVS, practice expense RVUs	CY 2008
Opt	(e)(4)	GAAFs	MDR database	October, 2008
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	MDR database	October, 2008
Phys	(f)(3)	conversion factors, 80th percentile, geographically adjusted	MDR database	October, 2008
Anes	(g)(3)(i)	conversion factor, nationwide	MDR database	October, 2008
Dent	(h)(2)	charges, 80th percentile, nationwide	MDR database	October, 2008
Dent	(h)(3)	GAAFs	MDR database	October, 2008
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	MDR database	October, 2008
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	MDR database	October, 2008
Lab	(i)(3)	conversion factors, 80th percentile, geographically adjusted	MDR database	October, 2008
DME	(l)(2)(ii)	charge amounts	MDR database	October, 2008
DME	(l)(3)	charges for codes with no RVUs	MDR database	October, 2008
DME	(l)(5)(ii)	DME GAAFs	MDR database	October, 2008
Opt	(e)(3)(ii)	80th percentile charges, codes with no APC	MDR database, outpatient facility component	November, 2008
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare Clinical Diagnostic Laboratory Fee Schedule	CY 2008
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare conversion factor	CY 2008

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Charge Type	Paragraph	Subject	Data Source	Edition
DME	(l)(2)(i)	relative values	Medicare DME Fee Schedule	CY 2008
DME	(b)(11)	charges for codes without data	Medicare DME fee schedule	CY 2008, CY 2009
Phys	(f)(2)(i)(B)	RVUs, codes with Medicare RVUs, practice expense	Medicare Geographic Practice Cost Index, practice expense	CY 2008
Phys	(f)(2)(iv)	RVU GAAs, codes with no Medicare RVUs	Medicare Geographic Practice Cost Index, practice expense	CY 2008
Phys	(f)(2)(i)(A)	RVUs, codes with Medicare RVUs, work expense	Medicare Geographic Practice Cost Index, work expense	CY 2008
Phys	(f)(2)(iv)	RVU GAAs, codes with no Medicare RVUs	Medicare Geographic Practice Cost Index, work expense	CY 2008
Opt	(b)(11)	charges for codes without data	Medicare OPPS, Addendum B	CY 2008, CY 2009
DME	(l)(2)(i)	relative values	Medicare Parenteral and Enteral Nutrition Fee Schedule	CY 2008
Lab	(i)(2)(i)	RVUs, codes with Medicare-based RVUs	Medicare Physician Fee Schedule payment levels	CY 2008
Phys	(f)(2)(i)(B)	RVUs, codes with Medicare RVUs, practice expense	Medicare Physician Fee Schedule RVUs, practice expense	CY 2008, CY 2009
Phys	(f)(2)(i)(A)	RVUs, codes with Medicare RVUs, work expense	Medicare Physician Fee Schedule RVUs, work expense	CY 2008, CY 2009
DME	(l)(2)(ii)	charge amounts	Medicare SAF 5% Sample, DME component	CY 2006
DME	(l)(3)	charges for codes with no RVUs	Medicare SAF 5% Sample, DME component	CY 2006
PH	(d)(2)	per diem charge	Medicare SAF 5% Sample, outpatient facility component	CY 2004
Amb	(k)(2)(i)	base charge, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	CY 2006
Amb	(k)(2)(ii)	mileage charge, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	CY 2006
Obs	(j)(2)(i)	base charge, 80th percentile, nationwide	Medicare SAF 5% Sample, outpatient facility component	August, 2008
Phys	(f)(2)(ii)	RVUs, codes with no Medicare RVUs	Medicare SAF 5% Sample, Part B component	CY 2006
Lab	(i)(2)(ii)	RVUs, codes with no Medicare-based RVUs	Medicare SAF 5% Sample, Part B component	CY 2006
DME	(l)(2)(ii)	charge amounts	Medicare SAF 5% Sample, Part B component	CY 2006
DME	(l)(3)	charges for codes with no RVUs	Medicare SAF 5% Sample, Part B component	CY 2006

